

INTERNATIONAL SEARCH REPORT

Intern	Application No
PCT/IB2004/050902	

A. CLASSIFICATION OF SUBJECT MATTER

IPC. 7 H03F1/30 H03F3/21 H03F3/343 H03F1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 043 714 A (MIYAZAKI YUKIO ET AL) 28 March 2000 (2000-03-28)	1
Y	column 10, line 48 - column 11, line 38; figure 4	2
Y	US 2003/102924 A1 (MATSUMOTO HIDETOSHI ET AL) 5 June 2003 (2003-06-05) page 3, paragraph 25-27; figure 6	2
P, A	US 2004/000954 A1 (KIM JI HOON ET AL) 1 January 2004 (2004-01-01) page 2, paragraph 21-32; figures 2a, 4a	1-5
A	& KR 2002 064 870 A (INFORMATION AND COMM UNIVERSIT) 10 August 2002 (2002-08-10) the whole document	1-5

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

30 July 2004

06/08/2004

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